//@version=5

indicator("Simplified ATR Trailing Stop", overlay=true)

// === Inputs ===

entryDateYear = input.int(2025, title="Entry Year", minval=1900, maxval=2100)

entryDateMonth = input.int(1, title="Entry Month", minval=1, maxval=12)

entryDateDay = input.int(1, title="Entry Day", minval=1, maxval=31)

entryPrice = input.float(0, title="Entry Price (Set to 0 for Close of the Day)", minval=0, maxval=5000)

atrLength = input.int(14, title="ATR Period", minval=1)

atrMultiplier = input.float(2.0, title="ATR Multiplier for Stop Loss", minval=0.1)

customValueForFirstDay = input.float(2.0, title="Custom Value for First Day Trailing Stop", minval=0.1, maxval=100)

// === ATR Calculation ===

atrValue = ta.atr(atrLength)

// === Entry Timestamp ===

entryDate = timestamp(entryDateYear, entryDateMonth, entryDateDay, 00, 00)

// === Entry Level ===

var float entryLevel = na

if (na(entryLevel) and time >= entryDate)

entryLevel := (entryPrice > 0) ? entryPrice : close

// === Start Condition ===

startCalculating = (time >= entryDate)

// === Trailing Stop Logic ===

initialStop = entryLevel - atrMultiplier \* atrValue

var float trailingStop = na

var bool firstDayCalculated = false

var bool stopPlotting = false // NEW

if (startCalculating and not stopPlotting)

if (na(trailingStop[1]))

if (not firstDayCalculated)

trailingStop := entryLevel - (atrValue \* customValueForFirstDay)

firstDayCalculated := true

else

trailingStop := initialStop

else

trailingStop := math.max(trailingStop[1], high - atrMultiplier \* atrValue)

// === NEW: Stop plotting if low < yesterday's trailing stop

if (not na(trailingStop[1]) and low < trailingStop[1])

stopPlotting := true

// === Plotting ===

plot(startCalculating and not stopPlotting ? trailingStop : na, color=color.red, title="Trailing Stop", linewidth=2)